

Application No. 10/772,991
Amendment "A" dated November 4, 2004
Reply to Office Action mailed September 15, 2004

AMENDMENTS TO THE CLAIMS

The listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Original) In a client system that includes various client system components, and that is configured to receive one or more scripts from one or more script sources, the client system also including one or more objects that are configured to control properties and features of the client system components, a method of selectively granting or denying a script access to one or more of the objects, comprising acts of:

receiving, at the client system, a script from a script source, the script requesting access to a particular system object;

accessing an access control data structure that is independent of the script and making a determination that the script is authorized to access the particular system object based on one or more permissions that are associated with the script source and the particular system within the access control data structure;

selectively granting the script access to the particular system object based on the determination.

Application No. 10/772,991
Amendment "A" dated November 4, 2004
Reply to Office Action mailed September 15, 2004

2. (Original) A method as defined in claim 1, wherein:

the method further comprises an act of storing, at the client system the access control data structure, wherein the access control data structure includes having one or more entries, each entry being associated with an object and including a source identifier representing one or more information sources and a permission identifier defining a permission; and

the act of making the determination comprises acts of:

identifying an entry of the access control data structure that is associated with the particular object and has a source identifier representing the information source from which the script has been received; and

applying the permission defined by the permission identifier included in the identified entry to the script.

3. (Original) A method as defined in claim 1, wherein the particular object is a document object relating to a document displayed by the browser.

4. (Original) A method as defined in claim 1, wherein the particular object is a browser object relating to the browser other than any document displayed by the browser.

5. (Original) A method as defined in claim 1, wherein the particular object is a system object relating to a component of the client system other than the browser and any document displayed by the browser.

Application No. 10/772,991
Amendment "A" dated November 4, 2004
Reply to Office Action mailed September 15, 2004

6. (Currently Amended) In a client system that includes various client system components, and that is configured to receive one or more scripts from one or more script sources, the client system also including one or more objects that are configured to control properties and features of the client system components, a method of selectively granting or denying a script access to one or more of the objects, comprising acts of:

storing at the client system an access control data structure having one or more entries, each entry being associated with an object for which access is to be controlled and including a source identifier representing one or more script sources and a permission identifier defining a permission;

receiving a script from a particular script source, wherein the script, if fully executed by the browser, would request access to a particular object;

identifying an entry of the access control data structure that is independent of the script and that is associated with the particular object and has a source identifier representing the particular script source; and

applying the permission defined by the permission identifier included in the identified entry to the script, such that access by the script to the particular object is based upon one or more permissions that are associated with the script source and the particular system object and that are independent of the script.

7. (Original) A method as defined in claim 6, wherein the identified entry is associated with and controls access to only one system object.

8. (Original) A method as defined in claim 6, wherein the applied permission is a write permission, the method further comprising:

an act of executing the script such that the script accesses the particular object;
and

an act of modifying the particular object by the script.

Application No. 10/772,991
Amendment "A" dated November 4, 2004
Reply to Office Action mailed September 15, 2004

9. (Original) A method as defined in claim 6, wherein the applied permission specifies that access to the particular object by the script is denied, the method further comprising an act of denying the script access to the particular object.

10. (Original) A method as defined in claim 6, wherein the source identifier corresponds to a universal resource locator of the one or more script sources that the source identifier represents.

11. (Original) A method as defined in claim 10, wherein the act of identifying an entry of the access control data structure comprises an act of comparing the source identifiers of the entries with the universal resource locator of the script source.

Application No. 10/772,991
Amendment "A" dated November 4, 2004
Reply to Office Action mailed September 15, 2004

12. (Original) A method as defined in claim 6, wherein the script, if fully executed, would request access to at least two system objects, including the particular object and a second object, the method further comprising acts of:

identifying a second entry of the access control data structure, wherein the second entry is associated with the second object the source identifier of the second entry represents the particular script source; and

applying the permission defined by the permission identifier included in the second entry to the script such that access by the script to the second object is controlled.

13. (Original) A method as defined in claim 12, wherein the permission defined by the permission identifier included in the identified entry is different than the permission defined by the permission identifier included in the second entry.

14. (Original) A method as defined in claim 6, further comprising acts of:

receiving a second script from the particular script source, wherein the second script, if fully executed by the browser, would request access to a second object;

identifying a second entry of the access control data structure, wherein the second entry is associated with the second object and the source identifier of the second entry represents the particular script source; and

applying the permission defined by the permission identifier included in the second entry to the second script such that access by the second script to the second object is controlled.

15. (Original) A method as defined in claim 14, wherein the permission defined by the permission identifier included in the identified entry is different than the permission defined by the permission identifier included in the second entry.

Application No. 10/772,991
Amendment "A" dated November 4, 2004
Reply to Office Action mailed September 15, 2004

16. (Original) A computer program product for use in a client system that includes various client system components, and that is configured to receive one or more scripts from one or more script sources, the client system also including one or more objects that are configured to control properties and features of the client system components, the computer program product comprising:

one or more computer-readable media having computer-executable instructions for implementing a method of selectively granting or denying a script access to one or more of the objects, comprising acts of:

receiving, at the client system, a script from a script source, the script requesting access to a particular system object;

accessing an access control data structure that is independent of the script and making a determination that the script is authorized to access the particular system object based on one or more permissions that are associated with the script source and the particular system within the access control data structure;

selectively granting the script access to the particular system object based on the determination.

Application No. 10/772,991
Amendment "A" dated November 4, 2004
Reply to Office Action mailed September 15, 2004

17. (Original) A computer program product as recited in claim 16, wherein:

the method further comprises an act of storing, at the client system the access control data structure, wherein the access control data structure includes one or more entries, each entry being associated with an object and including a source identifier representing one or more information sources and a permission identifier defining a permission; and

the act of making the determination comprises acts of:

identifying an entry of the access control data structure that is associated with the particular object and has a source identifier representing the information source from which the script has been received; and

applying the permission defined by the permission identifier included in the identified entry to the script.

18. (Original) A computer program product as recited in claim 17, wherein the applied permission is a write permission, the method further comprising:

an act of executing the script such that the script accesses the particular object;
and

an act of modifying the particular object by the script.

19. (Original) A computer program product as recited in claim 17, wherein the source identifier corresponds to a universal resource locator of the one or more script sources that the source identifier represents.

20. (Original) A computer program product as recited in claim 17, wherein the act of identifying an entry of the access control data structure comprises an act of comparing the source identifiers of the entries with the universal resource locator of the script source.

21. (Original) A computer program product as recited in claim 16, wherein the particular object is a document object relating to a document displayed by the browser.

Application No. 10/772,991
Amendment "A" dated November 4, 2004
Reply to Office Action mailed September 15, 2004

22. (Original) A computer program product as recited in claim 16, wherein the particular object is a browser object relating to the browser other than any document displayed by the browser.